Gulfport Fire Department

2019 Annual Report

2019 ANNUAL REPORT

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FROM THE CHIEF:

2019 has been a dynamic year for the Gulfport Fire Department. As we reflect back on our accomplishments on behalf of the men and women of the Gulfport Fire Department I would like to say thank you for the privilege of serving you, the citizens of Gulfport. I am truly blessed to be surrounded by a group of people who personify the ideals of selfless service and dedication to community, and you should be very proud of them and the great things they do for Gulfport on a daily basis.

One of our founding principles is to provide fire and life safety services in a manner that enhances the quality of life for our residents and visitors. We believe we are hitting that mark by providing fire and life safety services of world class quality and in a variety not seen anywhere else in our region. Additionally, we continue to be the only fire department in Mississippi to ever earn a fire protection classification of "2". We have held this distinction for 2 years now and are pleased that we offer our citizens and business community the lowest fire insurance rates anywhere in Mississippi.

Since we received this honor, I have had people ask, "what does this mean to the citizen who dials 911?" What it means is that you are getting the lowest fire insurance premiums available in Mississippi. It means that you have a 20% higher likelihood of surviving a cardiac or respiratory arrest than national averages, and it means that you can expect to have a level of fire and emergency medical services that is not available elsewhere in Mississippi and in only 2% of communities nationwide; you can be proud of that.

Extraordinary accomplishments like this can only be achieved through team effort. Besides the amazing firefighters who go well above and beyond the call of duty on a daily basis, our dispatch center, engineering and public works departments, our fire investigators, inspectors, mechanics, and administrative support professionals all play key roles in our overall fire rating. This rating was also not achieved in one year. This has been a vision achieved through years of consistent, focused effort.

As you will see looking through this annual report, the quality, depth, and breadth of services offered by your Gulfport Fire Department are something you can be proud of and depend on as we are a true all hazard response agency. You may think that quality services like these must be very expensive, however this is another area you can take pride in as our service delivery model is also very efficient. To give you some points of reference, Gulfport citizens are paying 17% less than the average of their neighbors on a per capita basis, and an astounding 41% less on a per call for service basis. This esprit de corps is indicative of the great team of people I am privileged to lead every day as your Fire Chief; thank you for that privilege.

Sincerely,
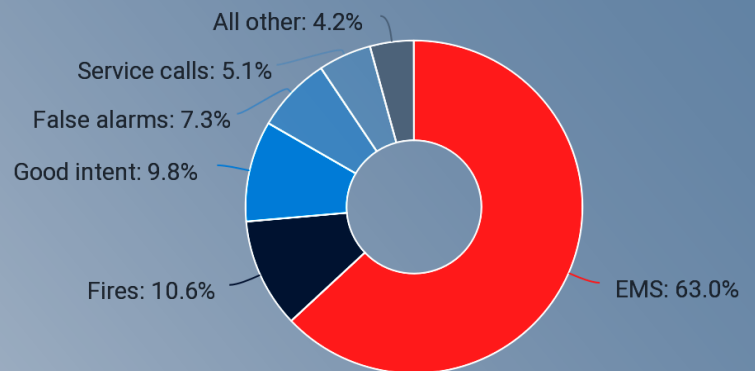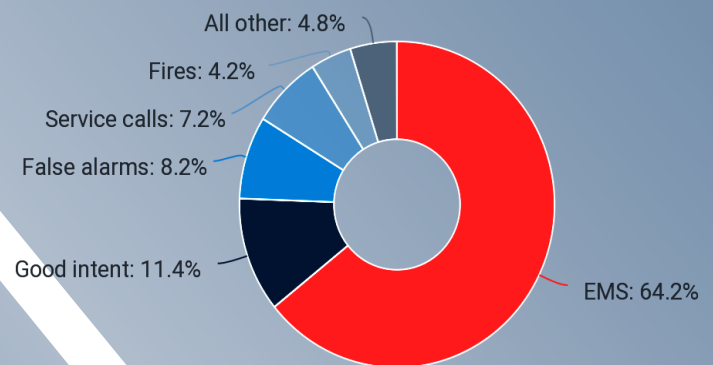Mike Beyerstedt MA, EFO, CFO
Fire Chief

2019 Incident Response Summary

2019 Incident Response By Category

EMS (Medical)	8,150	71%
Fires	376	3.3%
Hazardous Conditions	263	2.3%
Overpressure/Rupture	9	>.01%
Weather Emergencies	4	>.01%
False Alarms	494	4.3%
Good Intent	1,067	9.2%
Special Incident	11	>.01%
Service Calls	1,173	10.2%
Total Incidents	11,547	

Mississippi Incidents by Category

- All other: 4.2%
- Service calls: 5.1%
- False alarms: 7.3%
- Good intent: 9.8%
- Fires: 10.6%
- EMS: 63.0%

US Incidents by Category

- All other: 4.8%
- Fires: 4.2%
- Service calls: 7.2%
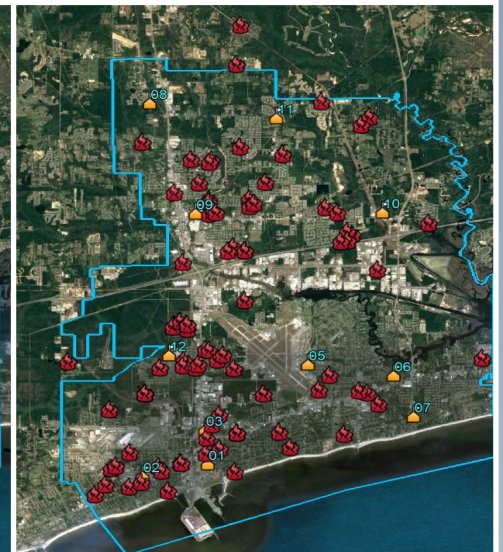- False alarms: 8.2%
- Good intent: 11.4%
- EMS: 64.2%

EMS Incident Locations
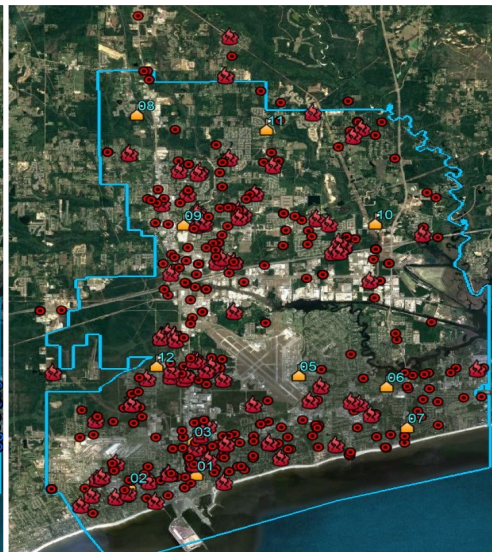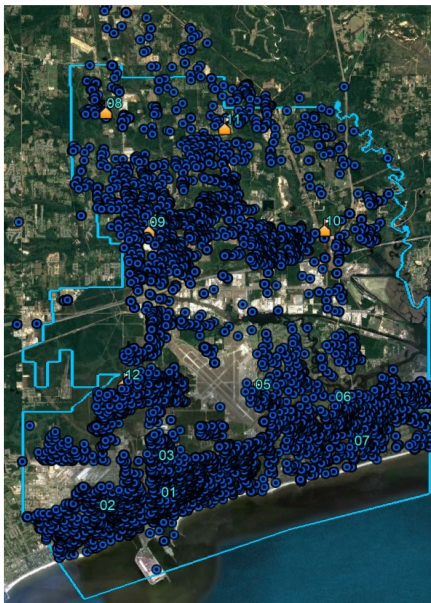
All Fire Incident Locations

Structure Fire Locations

2019 Incident Response Summary

Fire:

In 2019, There was a 6% increase in fires resulting in 6 civilian injuries and 1 civilian fatality. Additionally, 10 members of the Gulfport Fire Department suffered injuries during fire suppression duties. Property and content losses totaled $5,579,134. However, The Gulfport Fire Department saved residents and businesses $34,592,643 from fire destruction. More Fire analysis

EMS:

2019 brought a 4.25% reduction in medical responses. The disparity of medical responses was predominantly accumulated in the first quarter of 2019. All firefighters are trained to the minimum of EMT-Basic certification level. 26 members have elevated the certifications to EMT-Paramedic. GFD paramedics and EMTs responded to 228 out of hospital cardiac arrests (OHCA) in 2019. 45 of those had a Return of Spontaneous Circulation (ROSC) on scene. 15.6% of patients suffering from OHCA had a pulse return. This is a 2% increase from 2018's ROSC.   A timely response is critical during a cardiac arrest. The average alarm to arrival response time for all OHCA incidents was 5 minutes 25 seconds.

Rescue:

As an all hazards response department, the Gulfport Fire Department has staff certified in vehicle extrication, Rope Rescue (High Angle), Overland and Urban Search & Rescue (OSAR & USAR), Confined Space Rescue, Structural Collapse, Swift Water, and Dive Rescue. In 2019, the GFD initiated 9 water related search and rescue missions, 28 searches for persons over land, 32 extrications from vehicles, machinery, buildings, or elevators, and 1 high angle rescue.

Hazardous Materials:

The City of Gulfport landscape is comprised of many miles of rail, highway and interstate transportation routes. This presents the community with a considerable amount of risk for hazardous material incidents. Hazmat incidents have a low frequency and high risk classification.   The severity and amount of fuels and chemicals transported through our community can be devastating if spilled. The Gulfport Fire Department responded to 125 Hazmat incidents in 2019. Fortunately, these were mostly small fuel and chemical spills and residential carbon monoxide alarms. All GFD personnel are trained to the *Awareness Level* in hazardous material response. 95 members are trained to the next level of Hazmat Technician 1; 16 of those have extended their training to Hazmat Technician 2.

Incident Count By District

District 1	4,880	42.26%
District 2	2,827	24.48%
District 3	3,840	33.26%

Incident Count By shift

A Shift	3,848	33.32%
B Shift	3,781	32.74%
C Shift	3,918	33.93%

2019 Property Loss vs Saved

Property Loss Value	$3,043,700
Content Loss Value	$2,535,400
Total Property Value Saved	**$34,592,600**

Fire Casualties

Civilian Injuries	6
Civilian Fatalities	1
Fire Service Injuries	10
Fire Service Fatalities	0

Non EMS Incident Summary (cont. next page)

All Fires	375	3.2%
Building Fires (Residential & Non)	120	1%
Motor Vehicle Fires	73	.06%
Motor Vehicle Accidents	921	8%
Motor Vehicle vs. Pedestrian	64	.5%
Elevator Rescues	23	>1%
Cardiac Arrests	228	2%

2019 Incident Response Summary

2019 Jurisdiction Incident Count By Day and Time of Day

Legend: MON, TUES, WED, THUR, FRI, SAT, SUN
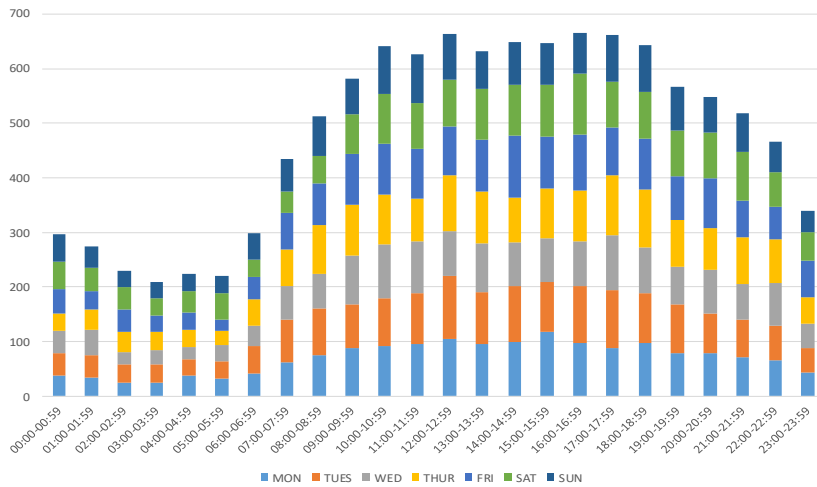
2019 Incident Response By Station

Station	Count
12	1,492
6	1,480
9	1,468
3	1,233
2	1,219
1	1,110
5	867
10	863
11	849
8	494
7	473

2019 Incident Response By Unit

Unit	Count
ENGINE 12	1,702
ENGINE 9	1,674
ENGINE 6	1,651
ENGINE 3	1,590
ENGINE 1	1,413
ENGINE 2	1,341
ENGINE 10	1,120
ENGINE 5	1,103
ENGINE 11	1,053
TRUCK 2 (ENGINE 7)	726
BATTALION 1	701
ENGINE 8	679
BATTALION 3	646
TRUCK 1	544
TRUCK 3 (TRUCK 49 RIP)	513
BATTALION 2	484
BRUSH 11	26
BRUSH 1	7
MARINE 3	4
DIVE RESCUE	4
MARINE 7	2
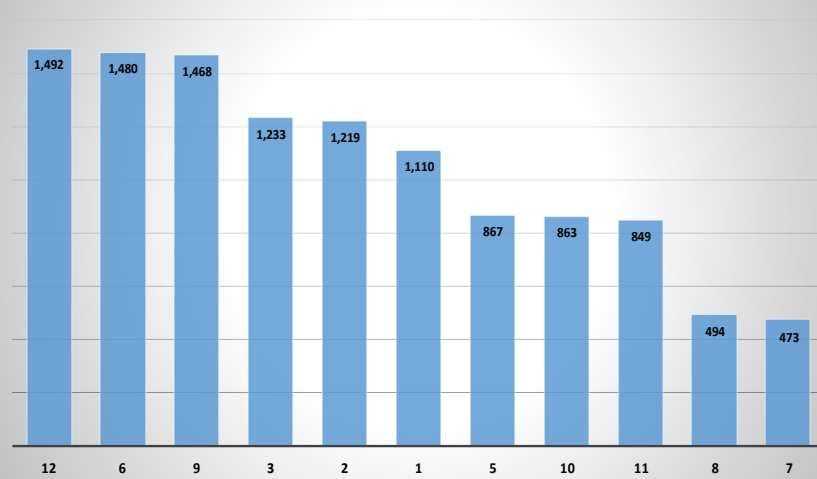
NON EMS INCIDENT SUMMARY CONT.

Fuel or Combustible Liquid Spills	29
Natural Gas (LPG) Leak	85
Carbon Monoxide Response	5
Aircraft Standby	3
Extrication of Person From Elevator	23
Extrication of Person From Machinery	2
Person Search (Land)	28
Person Search (Water)	7
Watercraft Rescue	1
High Angle (Rope) Rescue	1
Rail or Road Freight Vehicle Fires	5
Recreation Vehicle Fires	1
Brush, Grass or Woods Fires	51
Dumpster Fires	17
Wind Tornado/Hurricane Assessment	3
Lightning Strike (No Fire)	1
Unauthorized Burning	81
Tactical Medic	16
Assist Police	39

2019 Incident Response Summary

Annual Incident Responses

2016	2017	2018	2019
11,825	11,818	12,106	11,548

2019 EMS vs Non EMS Incidents By Day

2019 EMS vs Non-EMS Incidents by Month
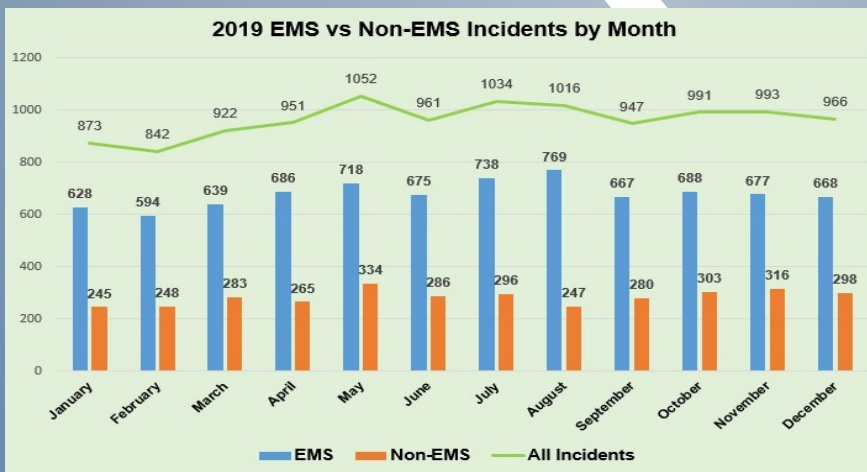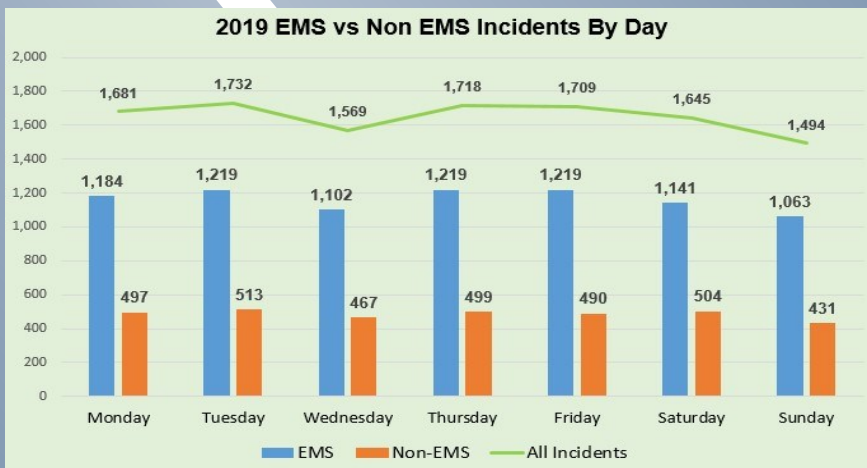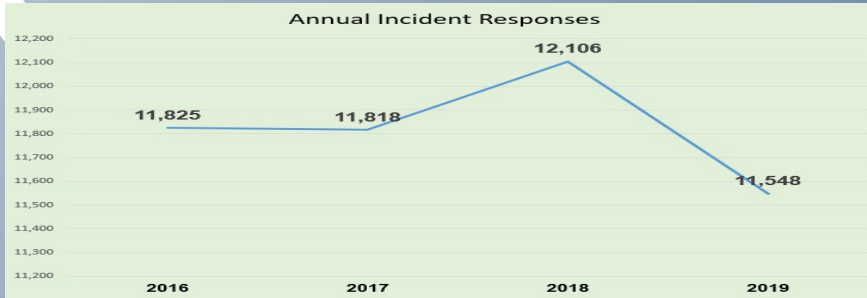
Gulfport Annual EMS Response Trend

2016	2017	2018	2019
71%	71%	72%	71%

US EMS Response Trend (NFPA 2018)

64%	61%	64%	Not Available

The Gulfport Fire Department's calls for medical responses consistently remain slightly over 70% which is slightly higher than reported by the National Fire Protection Association (NFPA).

As seen in the charts left, Tuesday, Thursday, and Friday were the busiest days of the week. May, July, and August were the busiest months in 2019.

2019, as mentioned on page 3 shows a decrease in total calls for service. The decrease occurred in the EMS category during the 1st quarter.

Relative risk of dying in a fire by state (2017)
Sources: National Center for Health Statistics and U.S. Census Bureau
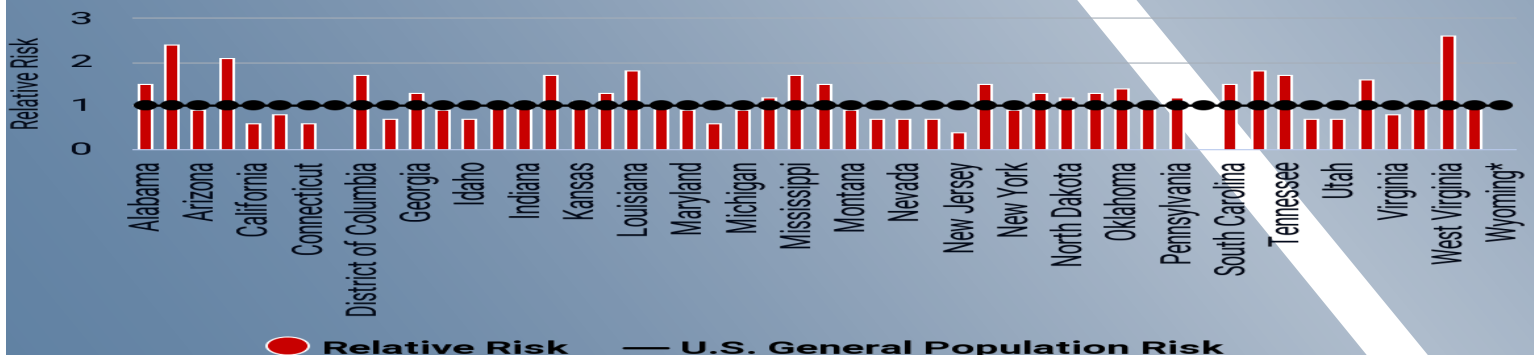
The fire death rates presented here reflect the crude death rates and are not age adjusted. The crude death rate is the total number of fire deaths per state divided by the total population per state and multiplied by 1,000,000. s. Mississippi reported 58 deaths in 2017 yielding a fire death of 19.4. Mississippi's relative risk score of 1.7. Alaska, Arkansas, and West Virginia have the highest risk score of dying by fire.

Station 1 Staffing

Unit	# of Personnel
Battalion 1	1
Engine 1	3
Truck 1	3
Brush 1	Cross Staffed

Area Response Summary

Station Area Incident Count (%)

1,110 (10%)

Unit	Response Count (%)
Battalion 1	701 (6.07%)
Engine 1	1413 (12.4%)
Truck 1	544 (4.71%)
Brush 1	7 (.06%)

Station Area Fires Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:50	2:52
Turn-out Time	1:20	1:29
Travel Time	5:28	6:09
Dispatch to Arrival	6:40	7:09
On Scene Duration Time	64:00	110:03
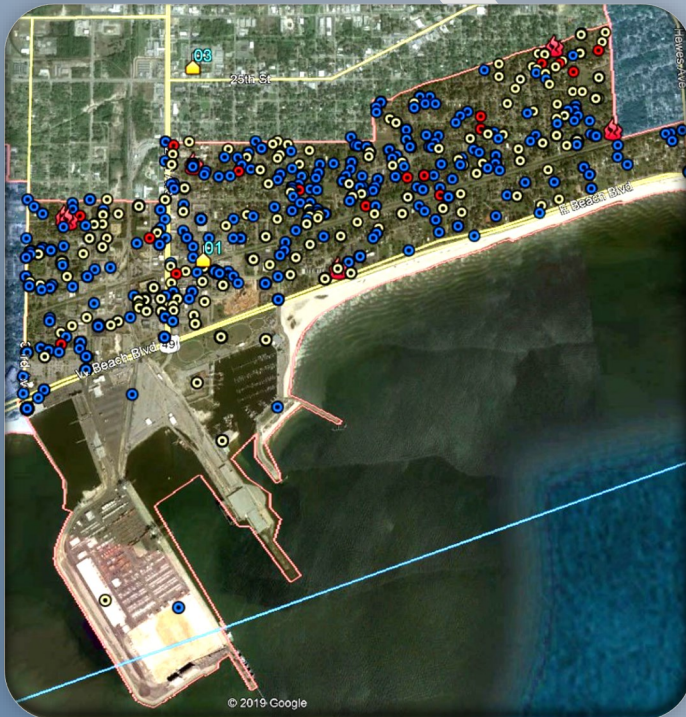
Station Area EMS Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:44	2:32
Turn-out Time	1:39	1:34
Travel Time	5:31	6:01
Dispatch to Arrival	6:43	7:05
On Scene Duration Time	25:09	27:59

2019 Station Area Performance
Station 2
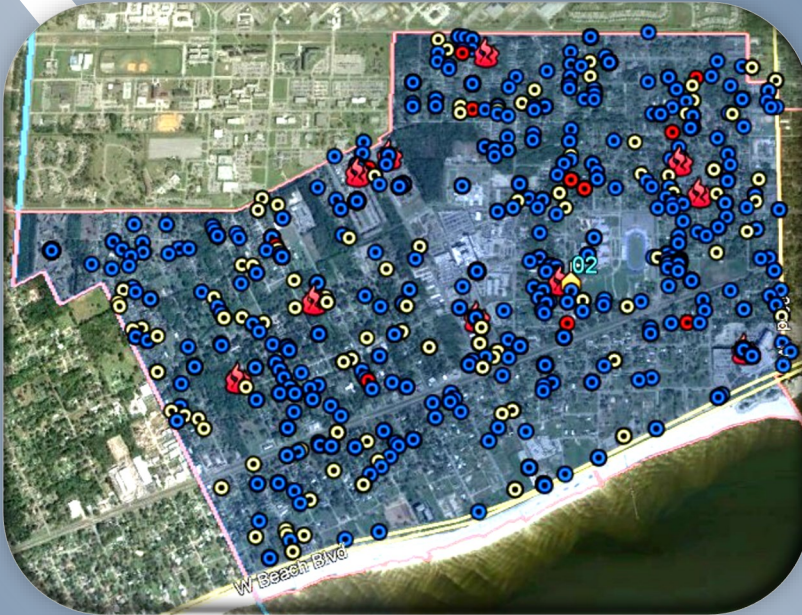
Station 2 Staffing	
Unit	# of Personnel
Engine 2	3

Area Response Summary

Station Area Incident Count (%)

1,219 (11%)

Unit	Response Count (%)
Engine 2	1,341 (11.61%)

Station Area Fires Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:52	3:00
Turn-out Time	1:40	1:29
Travel Time	5:13	6:09
Dispatch to Arrival	6:03	7:09
On Scene Duration Time	138:11	110:03

Station Area EMS Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:26	2:32
Turn-out Time	1:30	1:34
Travel Time	5:38	6:01
Dispatch to Arrival	6:34	7:05
On Scene Duration Time	24:14	27:59

2019 Station Area Performance

Station 3
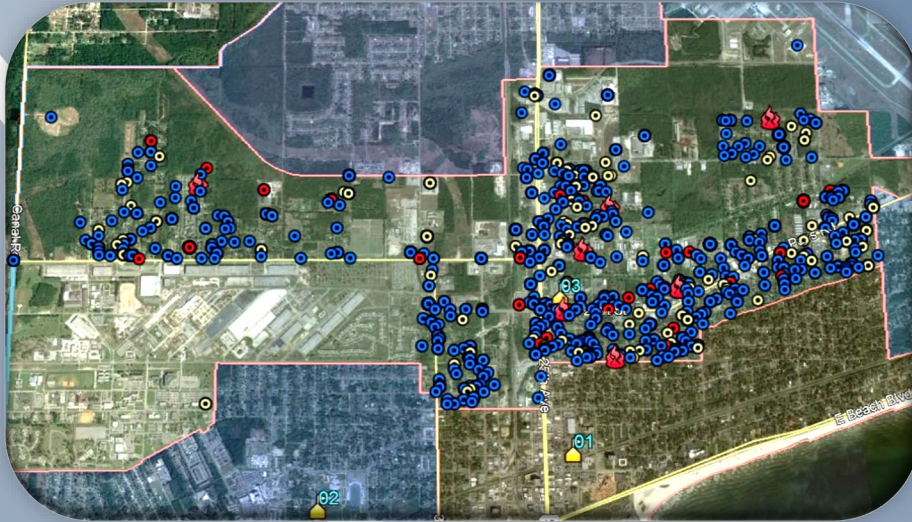
Area Response Summary

Station Area Incident Count (%)

1,233 (11%)

Unit	Response Count (%)
Engine 3	1,590 (13.77%)
Marine 3	4 (.03%)
High Water 3	1 (.03%)

Station 3 Staffing

Unit	# of Personnel
Engine 3	3
Marine 3	Cross Staffed
High Water 3	Cross Staffed

Station Area Fires Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	3:21	2:52
Turn-out Time	1:43	1:29
Travel Time	5:50	6:09
Dispatch to Arrival	7:10	7:09
On Scene Duration Time	110:40	110:03

Station Area EMS Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:34	2:32
Turn-out Time	1:45	1:34
Travel Time	6:19	6:01
Dispatch to Arrival	7:39	7:05
On Scene Duration Time	25:28	27:59

2019 STATION AREA PERFORMANCE
STATION 5
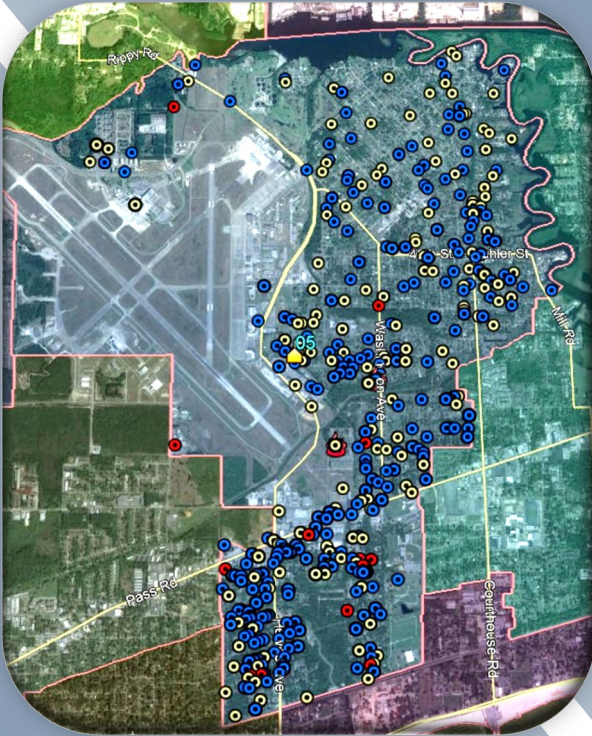
Station 5 Staffing

Unit	# of Personnel
Engine 5	3

Area Response Summary

Station Area Incident Count

867 (8%)

Unit	Response Count (%)
Engine 5	1,103 (9.55%)

Station Area Fires Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	3:06	2:52
Turn-out Time	1:27	1:29
Travel Time	5:57	6:09
Dispatch to Arrival	6:53	7:09
On Scene Duration Time	59:57	110:03

Station Area EMS Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:39	2:32
Turn-out Time	1:30	1:34
Travel Time	6:05	6:01
Dispatch to Arrival	7:04	7:05
On Scene Duration Time	26:48	27:59

2019 Station Area Performance
Station 6
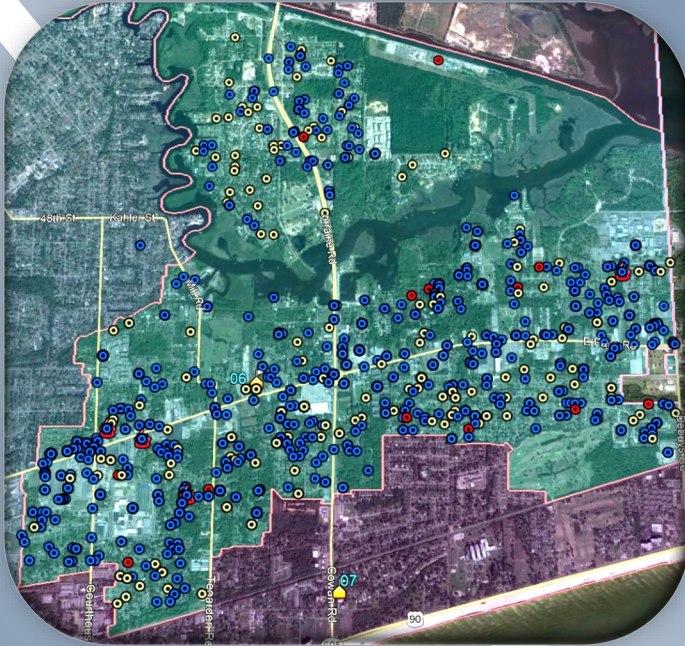
Station 6 Staffing

Unit	# of Personnel
Engine 6	3

Area Response Summary

Station Area Incident Count (%)

1,480 (13%)

Unit	Response Count (%)
Engine 6	1,651 (14.3%)

Station Area Fires Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:38	2:52
Turn-out Time	1:21	1:29
Travel Time	5:57	6:09
Dispatch to Arrival	7:04	7:09
On Scene Duration Time	89:22	110:03

Station Area EMS Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:32	2:32
Turn-out Time	1:34	1:34
Travel Time	5:39	6:01
Dispatch to Arrival	6:45	7:05
On Scene Duration Time	31:34	27:59

2019 Station Area Performance
Station 7

Station 7 Staffing

Unit	# of Personnel
Battalion 2	1
Truck 2	3
Marine 7	Cross Staffed

Area Response Summary

Station Area Incident Count (%)

473 (4%)

Unit	Response Count (%)
Battalion 2	484 (4.19%)
E7 (Until March)	60 (0.5%)
Truck 2 (Begin March)	666 (5.8%)
Marine 7	2 (.02%)

Station Area Fires Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:22	2:52
Turn-out Time	1:47	1:29
Travel Time	5:31	6:09
Dispatch to Arrival	7:20	7:09
On Scene Duration Time	67:03	110:03

Station Area EMS Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:32	2:32
Turn-out Time	1:47	1:34
Travel Time	5:15	6:01
Dispatch to Arrival	6:37	7:05
On Scene Duration Time	27:47	27:59
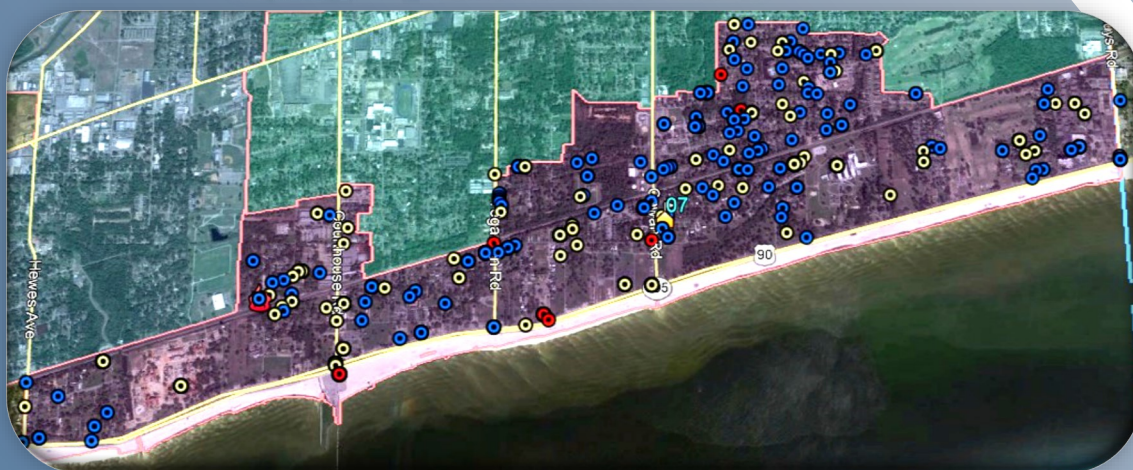
2019 Station Area Performance
Station 8
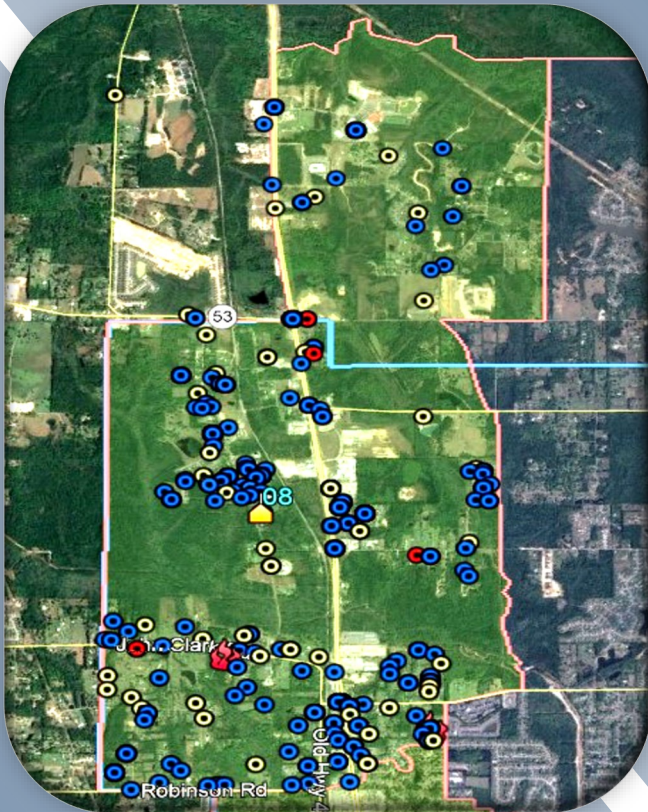
Station 8 Staffing

Unit	# of Personnel
Engine 8	3

Area Response Summary

Station Area Incident Count (%)

494 (4%)

Unit	Response Count (%)
Engine 8	679 (5.88%)

Station Area Fires Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:34	2:52
Turn-out Time	1:40	1:29
Travel Time	5:56	6:09
Dispatch to Arrival	7:26	7:09
On Scene Duration Time	51:18	110:03

Station Area EMS Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:26	2:32
Turn-out Time	1:32	1:34
Travel Time	6:27	6:01
Dispatch to Arrival	7:17	7:05
On Scene Duration Time	30:03	27:59

2019 Station Area Performance
Station 9
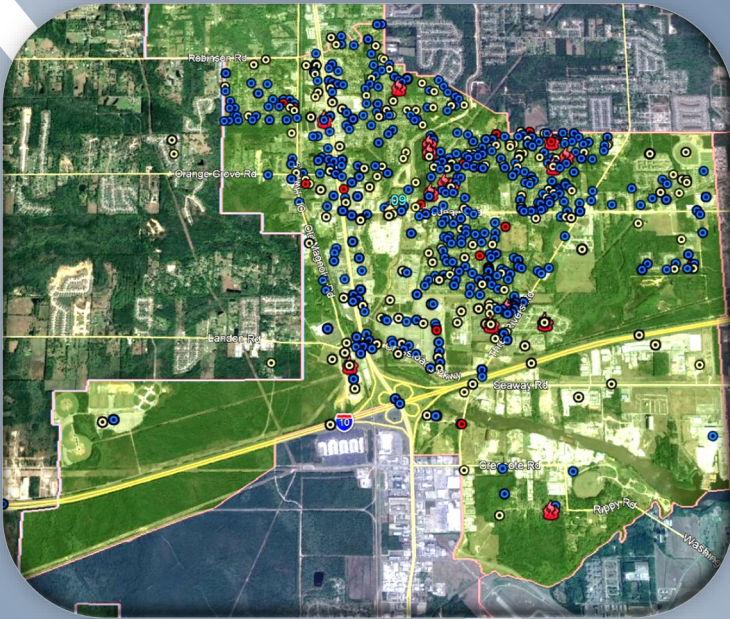
Station 9 Staffing	
Unit	**# of Personnel**
Battalion 3	1
Engine 9	3
Dive Rescue	Cross Staffed

Area Response Summary	
Station Area Incident Count (%)	
1,468 (13%)	
Unit	**Response Count (%)**
Battalion 3	646 (5.59%)
Engine 9	1,674 (14.5%)
Dive Rescue	4 (.03%)

Coming Summer 2020

Station Area Fires Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	3:02	2:52
Turn-out Time	1:18	1:29
Travel Time	6:13	6:09
Dispatch to Arrival	6:44	7:09
On Scene Duration Time	93:43	110:03

Station Area EMS Only
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:45	2:32
Turn-out Time	1:23	1:34
Travel Time	6:05	6:01
Dispatch to Arrival	7:12	7:05
On Scene Duration Time	29:48	27:59

Station 10 Staffing

Unit	# of Personnel
Engine 10	3
Truck 3	3

Area Response Summary

Station Area Incident Count (%)

863 (7%)

Unit	Response Count (%)
Engine 10	1,120 (9.7%)
Truck 3	513 (4.44%)

Station Area Fires Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:19	2:52
Turn-out Time	1:23	1:29
Travel Time	7:28	6:09
Dispatch to Arrival	8:04	7:09
On Scene Duration Time	93:43	110:03

Station Area EMS Only
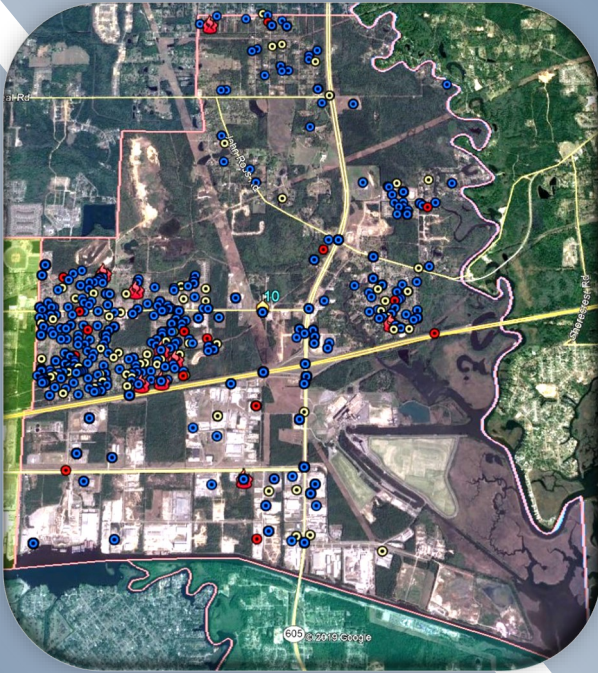
90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:36	2:32
Turn-out Time	1:36	1:34
Travel Time	6:15	6:01
Dispatch to Arrival	7:35	7:05
On Scene Duration Time	30:41	27:59

2019 STATION AREA PERFORMANCE
STATION 11
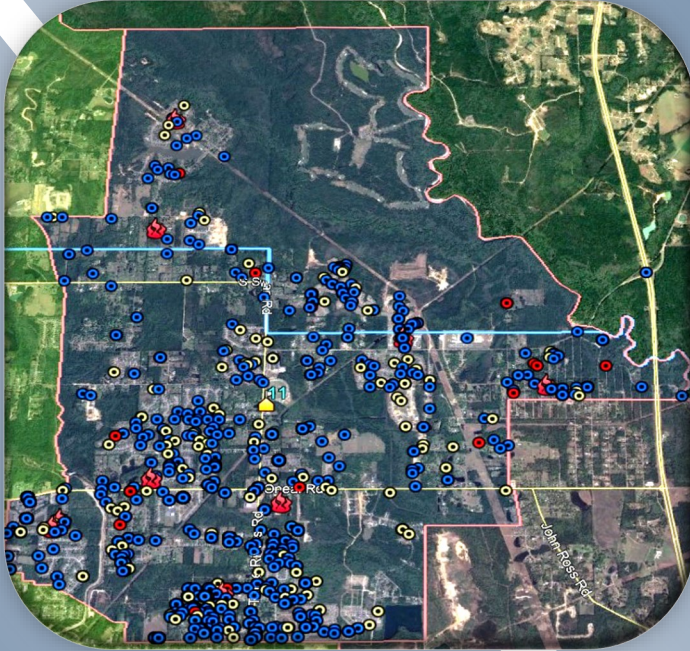
Station 11 Staffing

Unit	# of Personnel
Engine 11	3
Brush 11	Cross Staffed

Area Response Summary

Station Area Incident Count (%)

849 (7%)

Unit	Response Count (%)
Engine 11	1,053 (9.12%)
Brush 11	26 (0.23%)

Station Area Fires Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:27	2:52
Turn-out Time	1:25	1:29
Travel Time	5:57	6:09
Dispatch to Arrival	7:11	7:09
On Scene Duration Time	103:32	110:03

Station Area EMS Only

90 % Response Performance

Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:33	2:32
Turn-out Time	1:40	1:34
Travel Time	6:33	6:01
Dispatch to Arrival	7:36	7:05
On Scene Duration Time	28:47	27:59
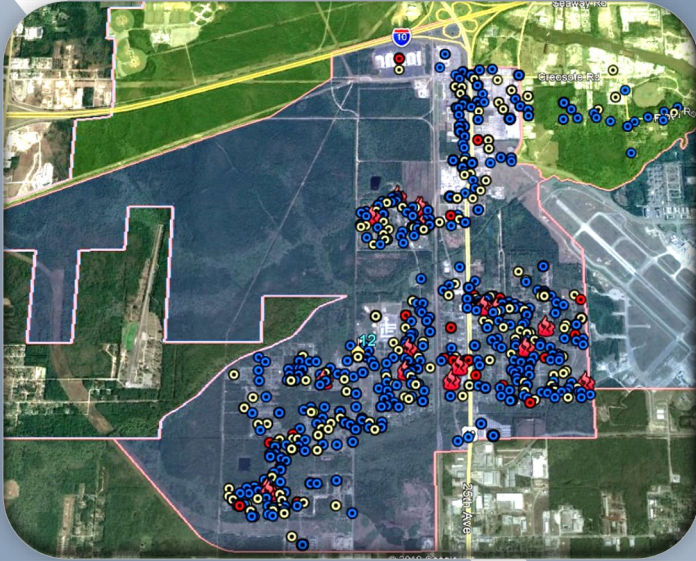
Station 11 Staffing	
Unit	**# of Personnel**
Engine 12	3
Hazmat/ Special OPS	Cross Staffed

Area Response Summary	
Station Area Incident Count (%)	
1,492 (13%)	
Unit	**Response Count (%)**
Engine 12	1,492 (13%)
Hazmat/Special OPS	0

Station Area Fires Only		
90 % Response Performance		
Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:45	2:52
Turn-out Time	1:22	1:29
Travel Time	6:29	6:09
Dispatch to Arrival	6:44	7:09
On Scene Duration Time	125:24	110:03

Station Area EMS Only		
90 % Response Performance		
Performance Indicator	Station (min:sec)	Department Wide (min:sec)
Call Processing	2:24	2:32
Turn-out Time	1:30	1:34
Travel Time	5:49	6:01
Dispatch to Arrival	6:49	7:05
On Scene Duration Time	26:22	27:59

TRAINING

TRAINING HOURS 2019

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
A-SHIFT	1,333	1,366	1,423	1,347	1,120	1,231	1,368	1,127	1,278	1,169	965	955
B-SHIFT	1,101	1,035	1,042	1,092	1,159	1,287	1,079	1,098	1,140	1,166	1,124	1,129
C=SHIFT	1,050	1,228	1,256	1,296	1,252	1,270	1,374	1,196	1,131	1,419	1,017	1,155

Legend: A-SHIFT, B-SHIFT, C=SHIFT
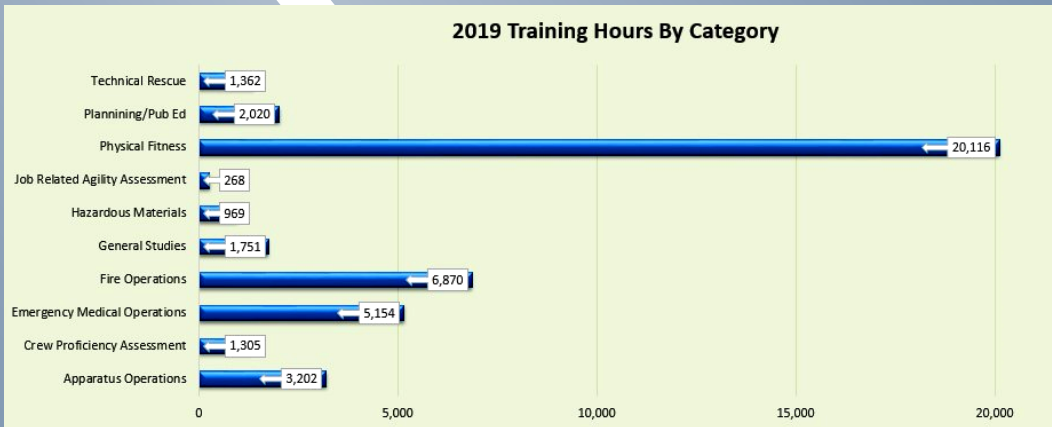
Annual Month by Month per Shift Training Analysis

"Success is peace of mind that is the direct result of self-satisfaction in knowing you made the effort to become the best that you are capable of becoming."

- Coach John Wooden

2019 Training Hours By Category

Category	Hours
Technical Rescue	1,362
Plannining/Pub Ed	2,020
Physical Fitness	20,116
Job Related Agility Assessment	268
Hazardous Materials	969
General Studies	1,751
Fire Operations	6,870
Emergency Medical Operations	5,154
Crew Proficiency Assessment	1,305
Apparatus Operations	3,202

Certification Classes

49 Certificate Disciplines

Individual Certificates	Man Hours
236	9,735

Training Hours By District

- District 1: 4,749
- District 2: 2,791
- District 3: 4,038

2019 Training by Station

Station	Hours
1	1,406
2	882
3	1,208
5	878
6	873
7	1,040
8	903
9	937
10	983
11	1,215
12	1,254
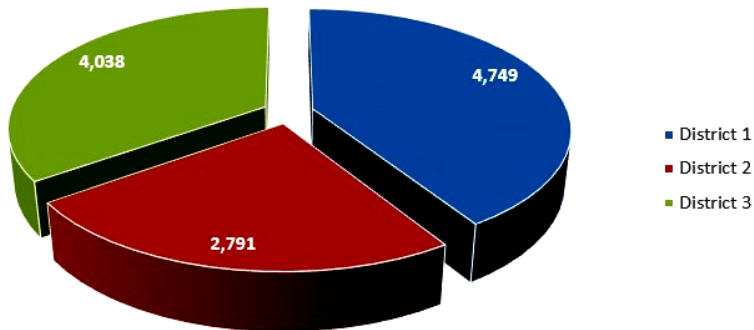
Emergency Medical Response

Provider's 1st Impression of Patient Upon Arrival

First Impression	%
Hypovolemia	0.01%
Electrocution	0.01%
Do not resuscitate	0.01%
Burns–Chemical(Pepper Spray)	0.01%
Apparent sexual assault	0.02%
Inhalation injury, toxic gases	0.04%
Pooling Edema	0.04%
Respiratory arrest	0.05%
Hyperthermia	0.07%
Burns	0.14%
Sting/bite	0.15%
Airway obstruction	0.17%
Neuro	0.22%
Bleeding uncontrolled	0.22%
Allergic reaction, excludes stings & venomous bite	0.34%
heat related emergency	0.35%
GI/GU	0.37%
Cardiac dysrhythmia	0.51%
Unresponsive	0.63%
Pregnancy/OB	0.66%
Hemorrhaging/bleeding	0.96%
Stroke/CVA	1.02%
Obvious death	1.1%
Hypertension/Hypotension	1.3%
Abdominal pain	1.3%
Cardiac arrest	1.5%
Overdose/poisoning	1.8%
Behavioral - mental status, psychiatric disorder	1.8%
Syncope, fainting	2.0%
None/no patient or refused treatment	2.8%
Diabetic symptom	2.9%
Altered level of consciousness	3.0%
weakness	3.3%
Pain-non traumatic	4.5%
Seizure	4.5%
Respiratory distress	5.9%
Chest pain	6.8%
General illness	12.5%
Cancelled on scene by Ambulance	16.1%
Trauma	20.8%

Cardiac Arrest Pulse Return (ROSC)

Yes	45	20%
No	182	80%

Total Cardiac Arrests 227

Alarm to Arrival Time Percentile Cardiac Arrest Only

90th Percentile	6:50

Alarm to Arrival Time Percentile All EMS

90th Percentile	6:01

Transport Destination

Transport Destination	Count	%
Gulfport Memorial Hospital	3785	56.11%
Garden Park Medical Center	1436	21.29%
None/NA	1353	20.06%
Merit Health Biloxi	80	1.19%
Biloxi VA	45	0.67%
Keesler Medical Center	24	0.36%
Biloxi Regional Medical Center	9	0.13%
Ocean Springs Hospital	9	0.13%
Singing River Hospital	2	0.03%
USA Medical Center	2	0.03%
Hancock Medical Center	1	0.01%

Hospital Selection Determination

Hospital Selection Determination	Count	%
Patient Choice	4937	73.18%
Family Choice	579	8.58%
Closest Facility (None Below)	551	8.17%
Not Applicable	331	4.91%
Protocol	164	2.43%
Unknown	85	1.26%
Managed Care	18	0.27%
Law Enforcement Choice	16	0.24%
Cardiac Facility	13	0.19%
Other	12	0.18%
Patient Physician Choice	11	0.16%
On-Line Medical Direction	10	0.15%
Stroke Center	5	0.07%
Trauma Triage (Mechanism of Injury)	5	0.07%
Diversion	4	0.06%
Trauma Triage (GCS, Vitals)	3	0.04%
Trauma Triage (Anatomy of Injury)	2	0.03%

GFD vs AMR Performance

GFD 90% Dispatch to Arrival	8:36
AMR 90% Dispatch to Arrival	17:06
GFD 80% Dispatch to Arrival	07:37
AMR 80% Dispatch to Arrival	14:19

** AMR arrival times reported on scene and recorded by Gulfport dispatchers

Fire Analysis

2019 Building Fire Property Description

1 or 2 family dwelling	58	68.2%
Boarding/rooming house, Residential Hotels	1	1.2%
Convenience Store	1	1.2%
Laundry, Dry Cleaning	1	1.2%
Manufacturing, Processing	1	1.2%
Multifamily Dwelling	12	14.1%
Outbuilding or Shed	3	3.5%
Residential Board and Care	1	1.2%
Residential, Other	1	1.2%
Restaurant or Cafeteria	5	5.9%
Warehouse	1	1.2%
Total Building Fires	85	

2019 Cause of Ignition

Act of nature	2	2.4%
Cause under investigation	20	23.5%
Cause undetermined after investigation	10	11.8%
Cause, Other	3	3.5%
Failure of equipment or heat source	8	9.4%
Intentional	8	9.4%
Unintentional	34	40.0%
Total Building Fires	85	

2019 Fire Spread (Containment Analysis)

Beyond building of origin	5	5.9%
Confined to building of origin	32	37.6%
Confined to floor of origin	7	8.2%
Confined to object of origin	8	9.4%
Confined to room of origin	33	38.8%
Total Building Fires	85	

2019 Area of Fire Origin

Attic: vacant, crawl space above top story, cupola	4	4.7%
Bathroom, checkroom, lavatory, locker room	3	3.5%
Bedroom - < 5 persons; included are jail or prison	8	9.4%
Common room, den, family room, living room, lounge	6	7.1%
Cooking area, kitchen	27	31.8%
Engine area, running gear, wheel area	1	1.2%
Exterior balcony, unenclosed porch	2	2.4%
Laundry area, wash house (laundry)	5	5.9%
Maintenance shop or area, paint shop or area	1	1.2%
Multiple areas	5	5.9%
Storage room, area, tank, or bin	1	1.2%
Storage: supplies or tools; dead storage	1	1.2%
Substructure area or space, crawl space	1	1.2%
Undetermined	7	8.2%
Vacant structural area	1	1.2%
Vehicle storage area; garage, carport	4	4.7%
Wall assembly, concealed wall space	3	3.5%
Wall surface: exterior	5	5.9%
Total Building Fires	85	

2019 Smoke Detector Presence

Not Present	39	45.9%
Present	27	31.8%
Undetermined	19	22.4%

Annual Fire Containment Comparison

	2016	2017	2018	2019
Beyond Building of Origin	0	0	4	5
Confined to Building of Origin	28	29	16	32
Confined to Floor of Origin	12	7	11	7
Confined to Object of Origin	19	11	8	8
Confined to Room of Origin	40	32	47	33
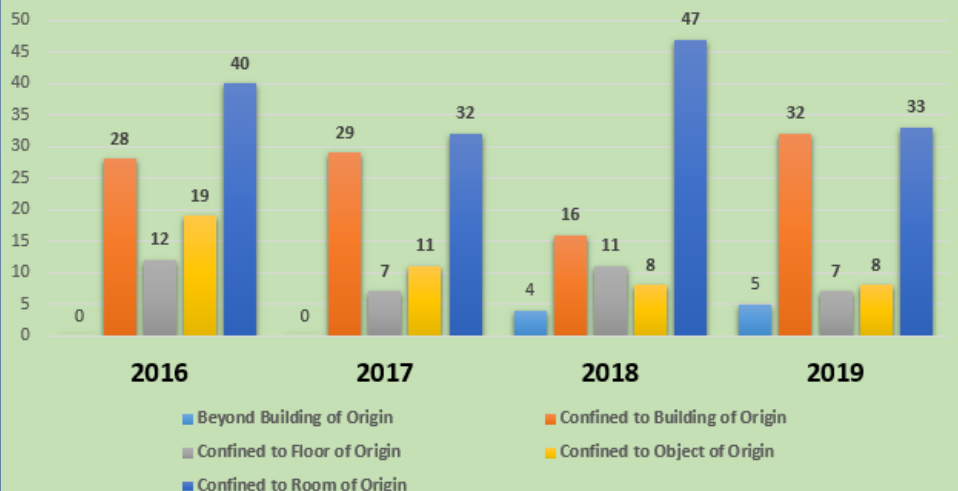
US Fires by General Property Type (2017)

General Property Type	Percent of Fires
Residential	28.9%
Nonresidential	8.7%
Vehicle	14.3%
Outside	42.7%
Other	5.4%

Source: National Fire Incident Reporting System.

Gulfport 2019 Fires by General Property Type

Residential	37%
Non-Residential	3%
Vehicle	18%
Outside	41%
Other	0.7%

Annual Residential Fire Comparison

Year	1-2 Family Dwelling	Multi-Family Dwelling
2016	72%	28%
2017	67%	18%
2018	61%	27%
2019	70%	14%

US Residential Fire Comparison

Year	1 & 2 Family	Multifamily
2014	69%	31%
2015	69%	31%
2016	66%	30%
2017	66%	31%
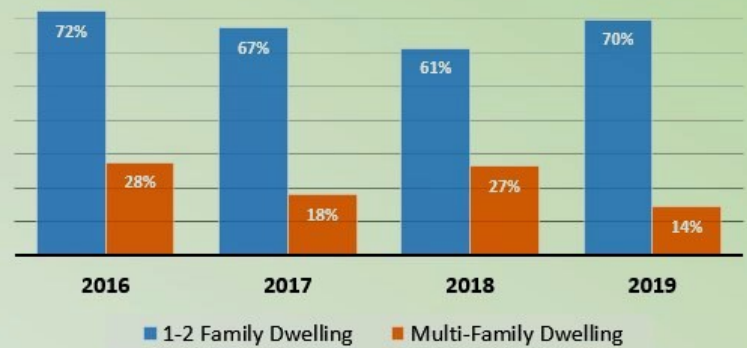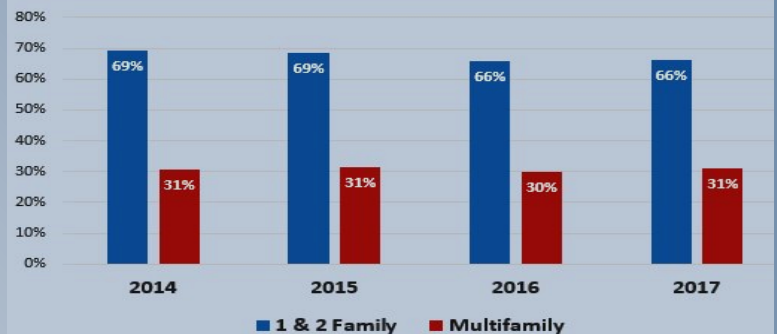
Gulfport/US Fire Dollar Loss Annual Trend

Year	Gulfport (in Millions)	US (in Billions)
2014	$3.2	$12.0
2015		$14.8
2016	$4.4	$13.9
2017	$4.9	$23.0
2018	$3.7	
2019	$5.6	

Civilian Fatality Anual Trend

Year	US per 1000	Gulfport
2015	11.5	0
2016	11.0	1
2017	10.8	2
2018		4
2019		1
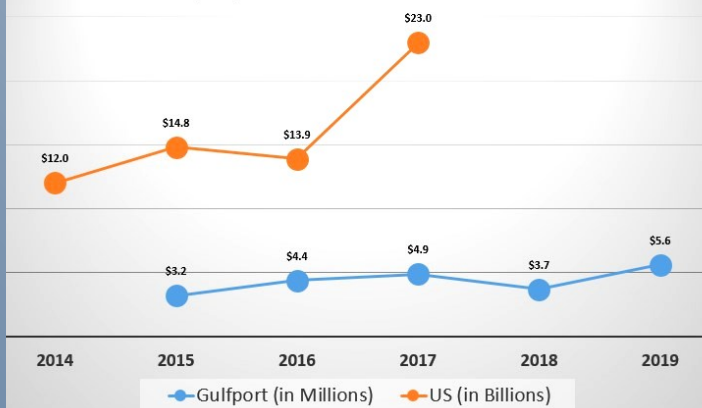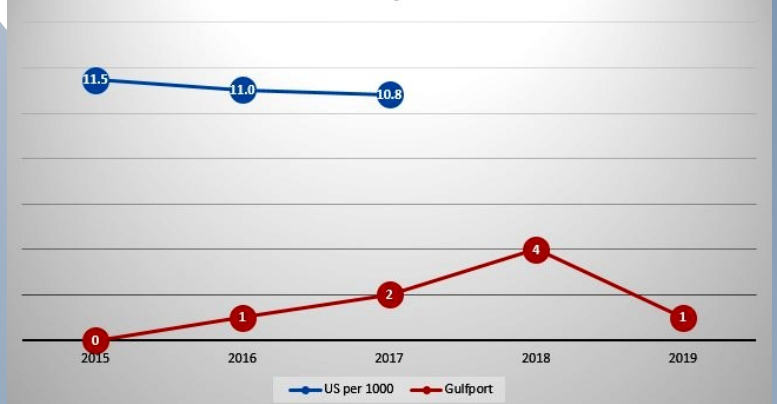
National statistic publications are generally released 18 months after any given year. The illustrated charts reflect the most recent US data published at the time of this document's creation. US dollar amounts are adjusted to 2017 values.

Fire Prevention, Investigation & Education

Prevention	Events	Hours
PLANS REVIEW	4	8
SITE PLAN INSPECTION	4	5
Smoke Detector Installation	50	34
Special Events Inspection	1	2
Turnout Gear Clean/Maintenance	183	739
	242	**788**

Annual Inspections

A Shift	294
B Shift	279
C Shift	287
Fire Prevention Bureau	1,771
Total	2,631

Community Outreach	Event Count	Hours
Car Seat Installation	14	7
Fire Prevention Special Event	7	15
Honor Guard Detail	13	51
Parade Detail	4	8
Public Assistance Blood Pressure Check	2	1
Public Education / Middle School	7	20
Public Education / Adult	1	1
Public Education / Booth @ Event	11	36
Public Education / College	1	1
Public Education / Elementary	31	71
Public Education / High School	8	16
Public Education / Kindergarten	13	20
Public Education / Workplace	1	1
Public Education Adult CPR Training	5	19
Smoke Detector Installation	50	34
Station Tour	29	32
Total	**197**	**333**

Fire Investigation	Total Incidents
3	54

2019 GFD Fire Investigation Status		
Investigation closed	43	79.6%
Investigation closed with arrest	2	3.7%
Investigation inactive	2	3.7%
Investigation open	5	9.3%
Not Investigated	2	3.7%

Hazardous Materials

In 2019, the Gulfport Fire Department responded to 127 hazardous materials releases in Gulfport's streets and structures. Only one incident released greater than 10 but no more than 30 gallons of fuel. All department apparatus are equipped to handle small road and gas station spills, however, Station 12 houses the department's Special Ops & Hazardous Materials response unit to mitigate large spills. All personnel are trained to HazMat Awareness level and Gulfport Fire Department has 95 personnel certified at the HazMat Technician 1 level; 17 of those are certified to the TECH 2 level. All personnel participated in 262 training hours in 2019 to maintain their Hazmat skills.

Mini CO detectors are attached to all medical kits to alert responders of odorless and colorless Carbon Monoxide presence. Upon entry into a toxic environment, the detectors are awakened and alert responders of the immediate danger to life (IDLH) environment. Additional, department Hazmat monitors have capabilities of measuring and detecting hydrogen cyanide, hydrogen sulfide, chlorine, blister agents, radiation and lower explosive limits (LEL) of combustible gases. Hazmat/Special Ops 12 is equipped to monitor, research, contain, decontaminate, and assist with clean-up of hazardous material incidents.

Rescue

In 2019, the Gulfport Fire Department responded to 70 incidents within the rescue category. GFD/Task Force 3 members performed, and were awarded for, a high angle rescue near Camp Shelby (see awards page). GFD members also performed 28 searches for person over land, 7 searches for persons in water, 1 extrication from a building, 23 removal from stalled elevator, 6 extrication from vehicles, 2 extrications from machinery, 1 surf rescue, and 1 watercraft rescue.

Dive & Water Rescue

The Gulfport Fire Department Dive Rescue Team is comprised of approximately 25 members who volunteer their time and experience to serve our community. Even though they may be experienced recreational divers, each member undergoes a strenuous training program to become certified to the level of Dive Rescue Specialist. The Dive Rescue Specialist certification is issued through Dive Rescue International, one of the most highly recognized and awarded dive training agencies in the world. GFD also boasts having a Dive Rescue International Trainer/Instructor, one of only a few in the State of Mississippi, on staff to facilitate team training and credentialing.

The GFD Dive Team provides a variety of services including water rescues, search and recovery operations, underwater surveys and reconnaissance, and various marine and dive support functions. The GFD Dive Team has performed drowning victim recoveries, located and recovered evidence used in high profile court cases, provided safety and security inspections for ships in the Gulfport Harbor, and provided additional support for military special operations. The GFD Dive Team has also been called on to assist other agencies including the US Coast Guard and the Mississippi Department of Marine Resources.

In 2019, the Gulfport Fire Department Dive Team performed several in-water vehicle recoveries, recovered drowning victims, searched for a murder weapon in a river under extreme conditions, and is proud to report that we have not had a single duty related injury or incident. In addition, every member of the team has maintained and renewed any credentials necessary.

In the past year, the GFD Dive Team has had several members retire, but we have trained and added 10 new divers to the team, most with long careers ahead of them, which will help to ensure the services offered by the Dive Team to our citizens for years to come.

The Gulfport Fire Department, and its Dive Rescue Team, stands ready 24-7, to provide our citizens, our neighbors, and our working partners with the highest level of public safety diver support and assistance available.

Tactical Medic

In 2018, the GFD Tactical Medics served 19 warrants with the Gulfport Police Department's narcotic team.

Mission: Tactical Paramedics will have the ability to render immediate care in a tactical operational area where it is either unsafe or impractical for other medical personnel to do so. The goal is to stabilize an injury so that the patient can be safely transported out of the tactical environment for more substantial care.

Tactical Medics currently serve in two capacities, armed and unarmed. Armed Tach Medics endure 400 hours of training and are required to achieve GPD Reserve Officer, complete a Basic SWAT Training Course, SWAT Medic Training Course, Defense Tactics & Subject Control, among other complimentary courses. They are required to meet firearm and tactic standards in day and night qualifications as well as SWAT qualifications quarterly.

The tactical medics trained 4,120 man hours in 2018 with GPD SWAT to ensure fluid team unity and proper execution of tactics and protocol when serving warrants, search and seizure during drug raids, and potential active shooter/attacker situations.

The Gulfport Fire Department Tactical Medics Program is the first and only of its kind in the state and we have assisted other agencies nationally in developing similar programs.
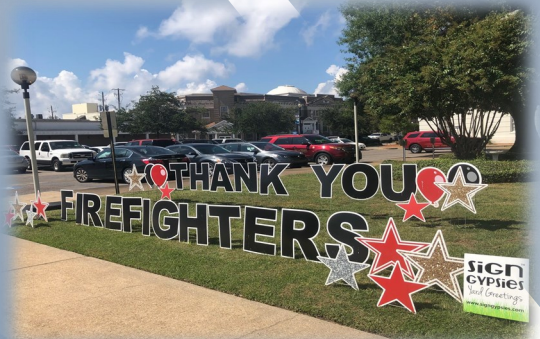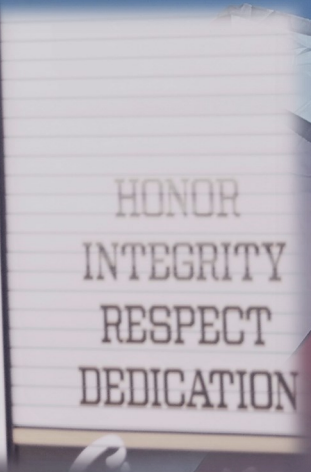
HONOR
INTEGRITY
RESPECT
DEDICATION
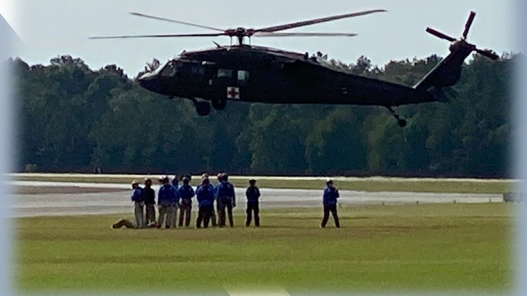
HONOR
INTEGRITY
GULFPORT FIRE DEPARTMENT
RESPECT
ESTABLISHED 1902
DEDICATION

APPARATUS & FACILITIES

Station 7's Truck 2 Placed in Service Increasing Aerial

E-ONE is proudly building this
AERM-TYPH-078L
FOR MIKE BEYERSTEDT

CITY OF GULFPORT

Dealer: **SUNBELT FIRE, INC.**

New Truck 3 Approved & Ordered Arriving March 2020

Mayor & Council Approves New Station 9

Awards

Personnel	Award	Org Presenting the Award	Date
Jacob Burnette	FF Quarter	Coast Chamber	Q1
Cade Ladner	FF Quarter	Kiwanis	Q1
Denis Davidson	FF Quarter	Coast Chamber	Q2
David Faul	FF Quarter	Kiwanis	Q2
Kevin Groce	FF of Year	Keesler	August
James Donlin	FF Quarter	Kiwanis	Q3
Scott Smith	FF Quarter	Coast Chamber	Q3
Jared Trumbach	FF Quarter	Kiwanis	Q4
Denis Davidson	FF of the Year	Coast Chamber	December

Several local organizations and businesses provide the department the opportunity to reward personnel that have demonstrated exceptional performance and bravery throughout the year. Above are those members and the organization awarding them.

GFD/Task Force 3 members received a the **Mississippi Meritorious Civilian Service Medal** for search, high angle (rope) recovery, and care of paratroopers during "Arctic Anvil" joint forcible entry exercise on 2 October 2019.

The Gulfport Fire Department took 1st Place by raising **$19,484** for the Muscular Distrophy Association's *Fill the Boot* Campaign.

PERSONNEL

2019 Attrition Analysis

- 27% Resigned/Terminated
- 23% Retired
- 50% Hired

Legend: ■ Retired ■ Resigned/Terminated ■ Hired
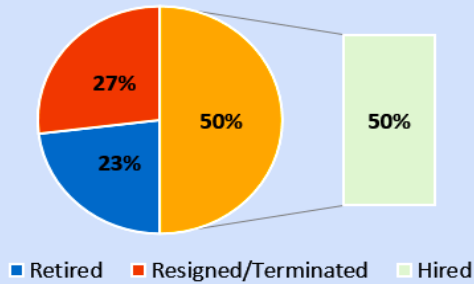
The past few years have yielded a high force reduction due to a tide of retirements. The past few years' attrition required the department to host multiple recruit classes within the same year. 2019 saw the force reduction tide turning, which yielded only 1 recruit class. As a result of recent years' new hire influx, the department finds itself young in years of experience. Per the chart right, the years of service for the Engineer and Lieutenant positions are on average 5 years younger than past years of experience for those positions. This factor, along with the reduction of structure fires, compared to previous decades, makes current firefighters and officers, compared to their predecessors, lacking the experiences in the most dangerous thing they do . This is where training is critical in preparing new hires to officers for the worst day of a citizen's life.

Recruit Class 1901 was comprised of 8 Gulfport, 2 Harrison County, and 1 Pascagoula Fire Departments. Gulfport also hired 2 lateral, already trained, firefighters.

Recruit Class 1901

Brandon Alexander	Benjamin Howard
Brandon Brown	David Roberts
Jaqwan Griffin	Chase Sherman
Tyler Hickman	Peyton Warren
Tucker Weinberg	

2019 Lateral Hires

Tristen Lewis	Christian Twillie

2019 Competitive Promotions

Battalion Chief

	Promotion Date	Years of Service
Matthew Faul	3 June	22

District Chief

Jeremy Armstrong	3 June	19

Lieutenant

Jeremy Fortenberry	3 June	8
Chase Moran	17 June	8
Brandon Necaise	6 May	13
Bryant Seymour	1 July	8

Engineer

Chris Croal	17 June	5
James Donlin	20 May	6
Joel Ladnier	1 July	4
Matthew Linton	12 Aug	4
Corey McCravey	29 July	4
Dalton Parker	8 April	3
Roy Parkinson	7 October	3
Justin Powell	22 April	4
Stephen Rines	17 June	4
William Stuart	6 May	3
Jon Wilson	25 March	4

Administration

Honorable Mayor
Billy Hewes

Fire Chief
Mike Beyerstedt

Chief Administrative Officer
Dr. John Kelly

Deputy Chief
Billy Kelley

Deputy Chief
Matt Nault

Training Chief
Eric Valles EMT-P

Lt Thomas McCorkle
Accreditation Manager

Administrative

**Administrative Officer
Linda Ladner**

**Administrative
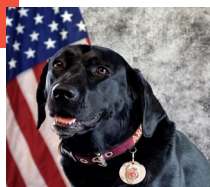Assistant Natasha**

FIRE PREVENTION & INVESTIGATION

**Deputy Fire Marshall

Greg Marks**

**Fire Inspector / Investigator

Darrin Hill**

**Fire Inspector / Investigator

James Dillinger**

K-9 Arson Investigator

A SHIFT

Battalion Chief
Jason Edwards

District Chief
Mike Bond EMT-P

District Chief
Mark Hilley EMT-P

Lieutenant
Chad Asher EMT-P

Lieutenant
Johnathan Bratton

Lieutenant
Jacob Burnett EMT-P

Lieutenant
Ryan Carter

Lieutenant
Ryan Caudill

Lieutenant
Neil Clark

Lieutenant
Andrew Dedeaux

Lieutenant
David Faul
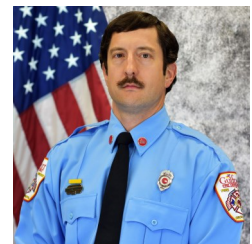
Lieutenant
Gerald Gordon

Lieutenant
Kevin Groce EMT-P

Lieutenant
David Hammons

Lieutenant
Ryker Haselden

Lieutenant
Scott Seymour EMT-P

A SHIFT

Engineer
Joe Abercrombie

Engineer
James Donlin

Engineer
Max Igich

Engineer
Wayne Kuehling

Engineer
Joel Ladnier

Engineer
Donald McMurphy

Engineer
Brent Necaise

Engineer
Randy Necaise

Engineer
William Stuart

Engineer
Jared Trumbach

Engineer
Peter Vandezande

Firefighter 2
Derek Angle EMT-P

Firefighter 2
Jacob Clark

Firefighter 2
Greg Landry

Firefighter 2
Brian Lord

Firefighter 1
Richard Biggs

Firefighter 1
Hilde Forest

Firefighter 1
Justin Herring

Firefighter 1
Tanner Hughes

Firefighter 1
Edward Llanderal

Firefighter 1
Patrick McMahon
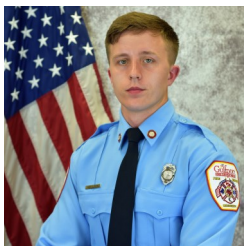
Firefighter 1
Adam Moore

Firefighter 1
Jeremy Newsome

Firefighter 1
Mark Rouse

Firefighter 1
Chris Van Duzen

Firefighter 1
George Wilkins

B Shift

Battalion Chief
Matthew Faul EMT-P

District Chief
Ian Barna

District Chief
Jeremy Armstrong

Lieutenant
Phil Biancamano
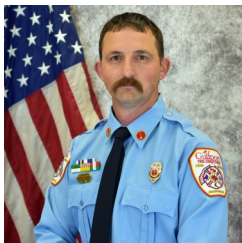
Lieutenant
Bran Bishop

Lieutenant
Sonny Bond

Lieutenant
Jeremy Fortenberry

Lieutenant
Chuck Hanson

Lieutenant
Tim Ishee

Lieutenant
Matt Lopez EMT-P

Lieutenant
Mike McCoy

Lieutenant
Brandon Necaise

Lieutenant
Jeffery Saucier EMT-P

Lieutenant
Blake Smith

Lieutenant
Jess Traina

Lieutenant
Ryan Wangerin

B Shift

Engineer
Matthew Linton

Engineer
Eddie Miller

Engineer
Dalton Parker

Engineer
Roy Parkinson EMT-P

Engineer
Russel l Ramage

Engineer
Lance Ransonet

Engineer
Stephen Rines

Engineer
Derrick Triplett EMT-P

Engineer
Joey Weaver

Engineer
Michael Westbrook

Engineer
John Wilson

Firefighter 2
Sam Barkley

Firefighter 2
Scott Bertram

Firefighter 2
Tarik Fields

Firefighter 2
Michael Groce

Firefighter 2
Terry Mott

Firefighter 2
Garrett Raskett

Firefighter 1
Tres Acosta

Firefighter 1
Johnathan Barnes

Firefighter 1
Brandon Brown

Firefighter 1
Michael Felker

Firefighter 1
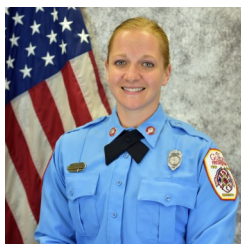Jaqwan Griffin

Firefighter 1
Trenton Howe

Firefighter 1
Johnathan Jordan

Firefighter 1
Cade Ladner EMT-P

Firefighter 1
Tristen Lewis

Firefighter 1
Julia Morrison

Firefighter 1
Calvin Ravalo

Firefighter 1
Jeff Scafide

Firefighter 1
Zachary Steube

C Shift

Battalion Chief
Chad Bryant

District Chief
Glen Parker EMT-P

District Chief
Curtis Prestwood

Lieutenant
Naiem Bordeaux EMT-P

Lieutenant
Dan Campton

Lieutenant
Andy Capiola

Lieutenant
Eric Dedeaux

Lieutenant
Bill Dubuisson

Lieutenant
Michael Hamers

Lieutenant
Charlie Head

Lieutenant
Steve Kerns

Lieutenant
Chase Moran

Lieutenant
Ian Murray EMT-P

Lieutenant
Mickey Sheppard

Lieutenant
Scott Smith

Lieutenant
Jesse Vincent

C SHIFT

Engineer Alex Bourdin	**Engineer** Chris Croal	**Engineer** Denis Davidson	**Firefighter 2** Chad Ferrill	**Engineer** Jeffery Flynn	**Engineer** Chris Kangas EMT-P
Engineer Jeff Lefevre	**Engineer** Cory McCravey	**Firefighter 2** Justin Powell	**Engineer** J.D. Rippy	**Engineer** Ronald Shell	

Firefighter 2 Colby Eike EMT-P	**Firefighter 2** Jonathan Hardy	**Firefighter 2** Mason Saucier	**Firefighter 2** Chase Taylor	**Firefighter 2** Jose Valdez EMT-P	**Firefighter 2** Bryan Yates Jr.
Firefighter 1 Cory Behrens	**Firefighter 1** Nicholas Blenden	**Firefighter 1** Danny Coleman	**Firefighter 1** Chris Cromelin	**Firefighter 1** Roy Cuevas	**Firefighter 1** Cory Dedeaux
Firefighter 1 James Edwards	**Firefighter 1** Brandon Ellzey	**Firefighter 1** Devon Fields	**Firefighter 1** Japheth Hodges	**Firefighter 1** Kevin Smith	

RECRUITS

We do not rise to the level of our expectations,
we fall to the level of our training.
Archilocus 650 BC

Firefighter Recruit
Brandon Alexander

Firefighter Recruit
Tyler Hickman

Firefighter Recruit
Benjamin Howard

Firefighter Recruit
David Roberts

Firefighter Recruit
David Ross

Firefighter Recruit
Johnathan Sherman

Firefighter Recruit
Peyton Warren

Firefighter Recruit
Tucker Weinberg

Firefighter Recruit
Christian Twillie

RETIREES

**Lieutenant
Stanley Butler
35 Years of Service**

**Engineer
Jason Johnson
23 Years of Service**

**Engineer
Nathan Powell
24 Years of Service**

**Engineer
Joey Shaw
27 Years of Service**

Not Pictured

Battalion Chief Kevin Goveia	24 Years of Service
Engineer Earl Yandell	25 Years of Service